

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
Phone No. (512) 322-2212 Fax No. (512) 463-6693

## PRODUCT EVALUATION

DR-623

Effective Date: May 1, 2013

Reevaluation Date: **September 2016**

The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.

**Builder Series 4880IR Aluminum Sliding Glass Doors, Impact Resistant**, manufactured by

**Ply Gem Windows**

**433 North Main Street**

**Rocky Mount, Virginia 24151**

**Telephone: (800) 999-8400**

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Builder Series 4880IR Aluminum Sliding Glass Doors; (X.X.X.X); With 2.6" Sill Riser	LC-PG50 186 x 96-SD; Missile Level D	+50/-70 psf
2	Builder Series 4880IR Aluminum Sliding Glass Doors; (X.X.X.X); With 3.5" Sill Riser	LC-PG70 186 x 96-SD; Missile Level D	+70/-70 psf

### Product Dimensions:

System	Overall Size	Panel Size	Daylight Opening Size
1-2	185 $\frac{5}{8}$ " x 95 $\frac{3}{4}$ "	48 $\frac{3}{4}$ " x 94 $\frac{1}{4}$ "	42" x 87 $\frac{1}{4}$ "

### Product Identification (Certification Agency Label on Door):

System		
1-2	Certification Agency	NAMI
	Manufacturer's Name or Code Name	PWG-M-165 (PTC)
	Product Name	4880IR Impact Patio Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; AAMA 506-06; Missile Level D; Wind Zone 3

### Impact Resistance:

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the <b>Inland I</b> and <b>Seaward zone</b> . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

**Installation:** The wood framing members shall be minimum Southern Yellow Pine dimension lumber. The door shall be secured to the wall framing utilizing the frame of the door with minimum No. 10 screws. Two rows of screws are required. The screws are arranged in a staggered pattern. The fasteners shall be located approximately 6 inches from each end corner and approximately 20 inches on center along the perimeter of the door. The hook strip frame closure is secured with No. 10 screws located 6 inches from each corner and 20 inches on center at the interior and 9 inches from each corner and 20 inches on center at the exterior. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

**Note:** The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) and the International Building Code (IBC) and the Texas Revisions.